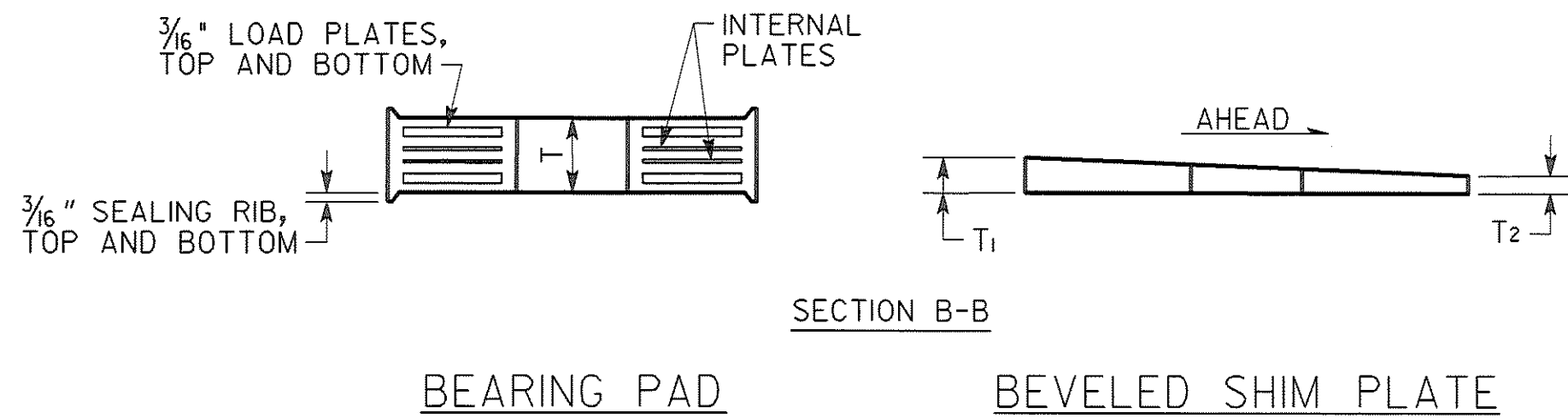
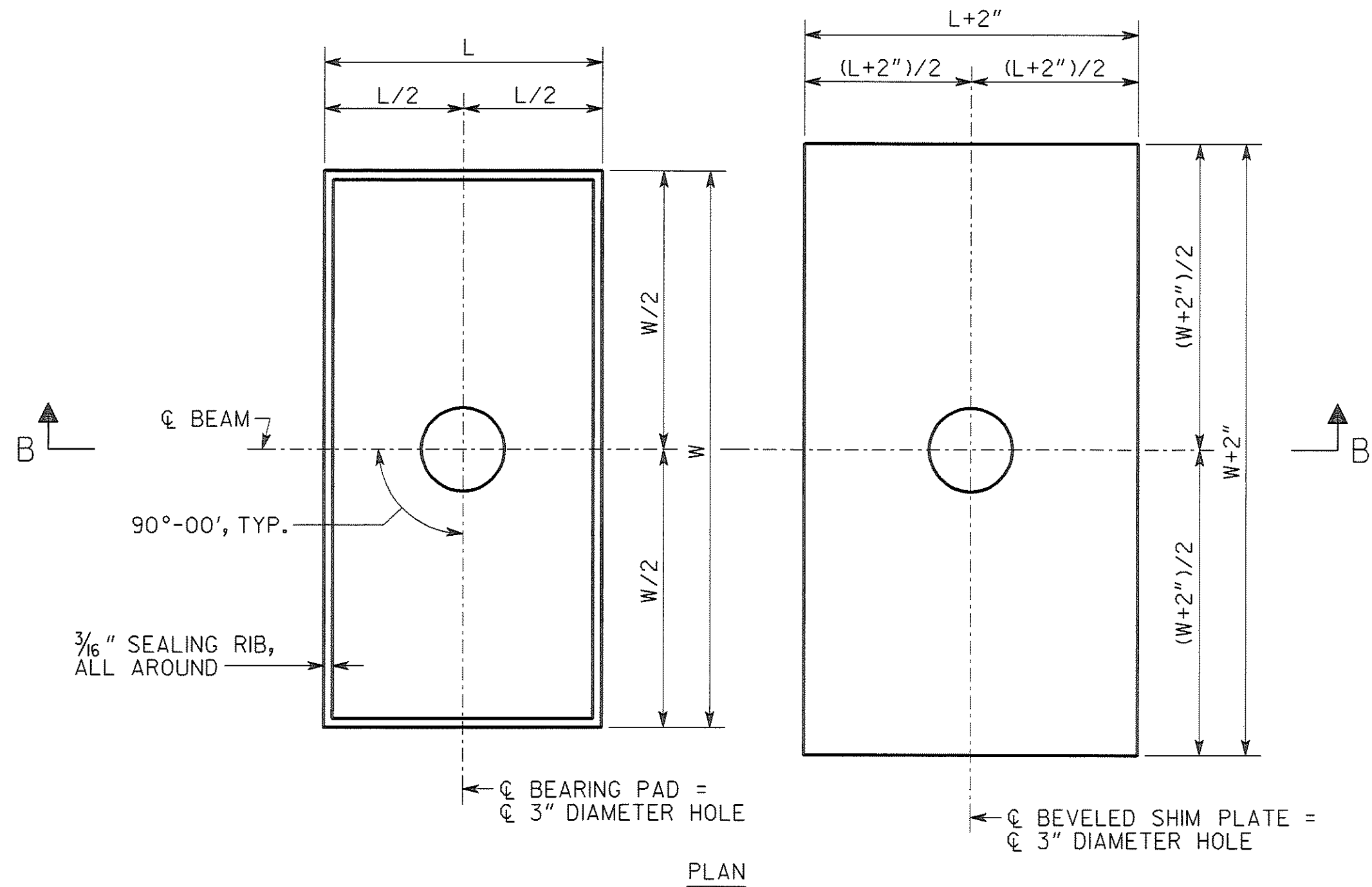
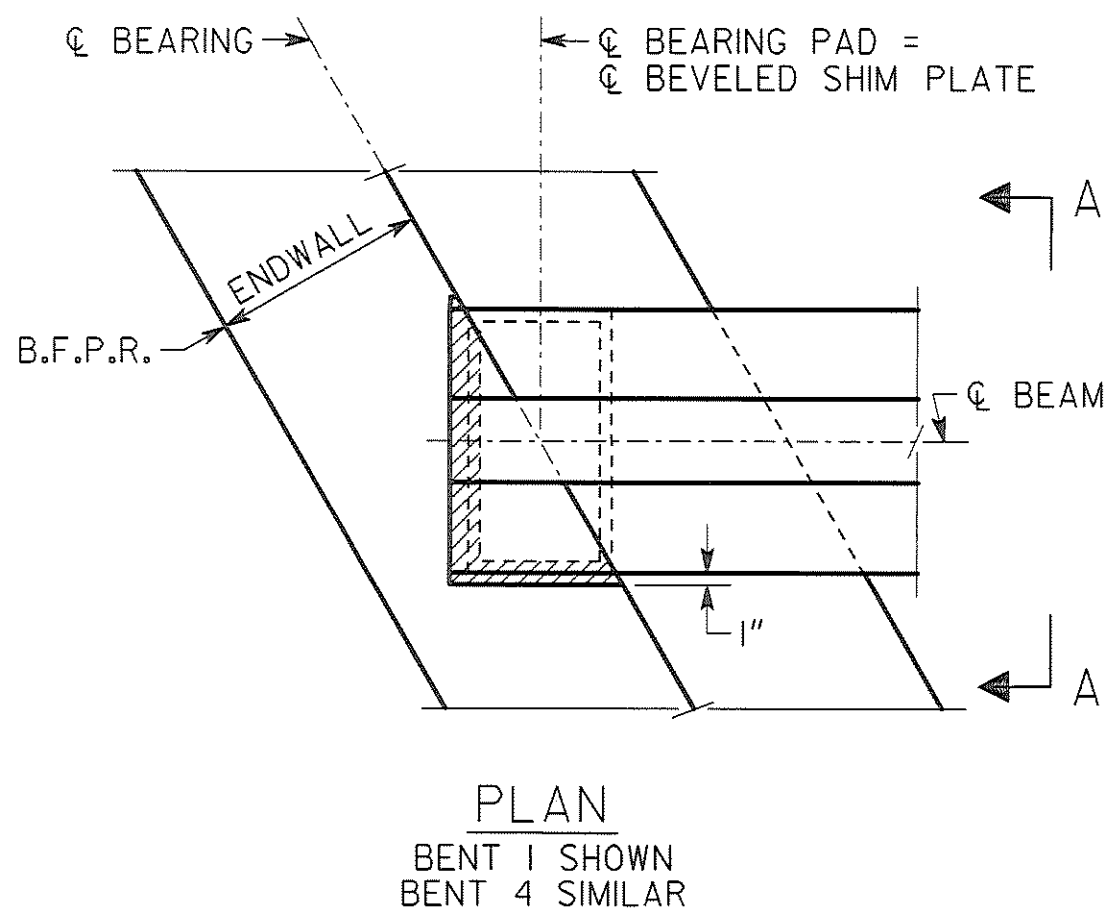


PREFORMED FOAM JOINT FILLER SHALL BE IN ACCORDANCE WITH SUB-SECTION 833.2.10 OF THE GEORGIA DOT SPECIFICATIONS.

ENDWALL NOT SHOWN
SECTION A-A



BEARING PAD

BEVELED SHIM PLATE

NOTES

- 1) BEARING PADS HAVE BEEN DESIGNED ACCORDING TO METHOD A OF AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (2010 INTERIM), SECTION 14.7.6 AND SHALL BE FURNISHED IN ACCORDANCE WITH AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS, SECTION 18.2.
- 2) 1 1/2" DIAMETER SMOOTH DOWELS SHALL BE ASTM A 709 GRADE 50.
- 3) BEARING PADS SHALL BE MADE OF 60 DUROMETER HARDNESS NEOPRENE, GRADE 2 OR HIGHER.
- 4) 3" DIAMETER HOLE IN BEARING PADS MAY BE FORMED OR DRILLED.
- 5) BEARING PADS SHALL HAVE 1/4" COVER ON THE TOP, BOTTOM, AND SIDES AND AROUND THE HOLE.
- 6) 3/16" LOAD PLATES AND INTERNAL PLATE(S) (IF REQUIRED) SHALL BE ASTM A 709 GRADE 36 OR ASTM A 1011 GRADE 36. SEE TABLE FOR INTERNAL PLATE GAGE.
- 7) NUMBER OF INTERNAL PLATES SHOWN FOR ILLUSTRATION PURPOSES ONLY. THE NUMBER OF INTERNAL PLATE(S) SPECIFIED SHALL BE EQUALLY SPACED BETWEEN LOAD PLATES.
- 8) USE OF 1/2° MOLD DRAFT IS OPTIONAL.
- 9) BEVELED SHIM PLATES SHALL BE ASTM A 709 GRADE 36 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 123.

| BENT | BEARING PADS | | | | | | | DESIGN LOADS (KIPS)* | | | BEVELED SHIM PLATES | |
|-------|--------------|-----|--------|-----------------------------|---------------------|-------------------------|-----------|----------------------|-----------------------|------|---------------------|------|
| | W | L | T | NUMBER OF INTERNAL PLATE(S) | INTERNAL PLATE GAGE | DESIGN SHEAR DEFLECTION | DEAD LOAD | LIVE LOAD W/O IMPACT | DEAD LOAD + LIVE LOAD | | T1 | T2 |
| | | | | | | | | | | | | |
| 1 | 18" | 10" | 3 1/8" | 4 | 12 | 0.98" | 85 | 76 | 161 | - | - | - |
| 2 BK | 18" | 10" | 3 1/8" | 4 | 12 | 0.61" | 68 | 76 | 144 | - | - | - |
| 2 AHD | 22" | 10" | 3 1/8" | 4 | 12 | 0.61" | 124 | 91 | 215 | - | - | - |
| 3 BK | 22" | 10" | 3 1/8" | 4 | 12 | 0.00" | 124 | 91 | 215 | - | - | - |
| 3 AHD | 18" | 10" | 3 1/8" | 4 | 12 | 0.00" | 68 | 76 | 144 | 3/8" | 1/4" | 1/4" |
| 4 | 18" | 10" | 3 1/8" | 4 | 12 | 0.37" | 85 | 76 | 161 | 3/8" | 1/4" | 1/4" |

* LOADS, MOVEMENTS AND ROTATIONS ARE PER AASHTO LRFD LOAD COMBINATION SERVICE I AND INCLUDE THE EFFECTS OF PRESTRESS, CREEP, SHRINKAGE, UNIFORM TEMPERATURE, BRAKING, WIND ON STRUCTURE AND WIND ON LIVE LOAD. THE ROTATIONS INCLUDE AN ALLOWANCE OF 0.005 RADIAN FOR UNCERTAINTIES.

BRIDGE NO. 1



Heath & Lineback Engineers
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2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

BEARING PAD DETAILS
SR 90 OVER
CSX TRANSPORTATION
MACON COUNTY BRF00-0153-01(024)

NO SCALE MAY 2013

DRAWING NO.
35 - 009
BRIDGE SHEET
9 OF 13

DATE
REVISIONS
BY

DESIGNED KAK/BCB
DRAWN JUY

CHECKED MS/BKA/GBL
DESIGN GROUP DDF

REVIEWED WMD/DLC
APPROVED BFR